



# Recombinant Human CAMK2D Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP06320

**Protein Name:** Camk-II Delta Subunit (CAMK2D)

**Aliases:** CaMK-II delta subunit; CaM-kinase II delta chain; CaM kinase II delta subunit

**UniProt ID:** Q13557

**UniProt Link:** <https://www.uniprot.org/uniprotkb/Q13557/entry>

**Species Source:** Homo sapiens (Human)

**Expression System:** E.coli

**Protein Length:** Full Length of Mature Protein (2-499aa)

**Molecular Weight:** 63.7 kDa

**Protein Tag:** N-terminal 10xHis-tagged and C-terminal Myc-tagged

## 2. Amino Acid Sequence (2-499aa)

ASTTTCTRTDEYQLFEELGKGAFSVVRRCKIPTGQEYAAKIINTKKLSARDHQKL  
EREARICRLLKHPNIVRLHDSISEEGFHLYVFDLVTGGELFEDIVAREYYSEADASHCI  
QQILESVDNHCHLNGIVHRDLKPENLLASKSKGA AVKLADFG LAIEVQGDQQAWFG  
FAGTPGYLSPEVLRKDPYGPVDMWACGVILYILLVGYPFPWDEDQHRLYQQIKAG  
AYDFPSPEWDTVTPEAKDLINKMLTINPAKRITASEALKHPWICQRSTVASMMHRQE  
TVDCLKKFNARRKLKGAILTTMLATRNFSAAKSLLKKPDGVKESTESSNTTIEDVDK  
ARKQEIIKVTEQLIEAINNGDFEAYTKICDPGLTAFEPEALGNLVEGMDFHRFYFENA  
LSKSNKPIHTIILNPHVHLVGDDAACIAYIRLTQYMDGSGMPKTMQSEETRVWHRRD  
GKWQNVHFHRSGSPTVPIKPPCIPNGKENFSGGTSLWQNI

## 3. Storage Buffer

**Liquid Delivery Form:** Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

**Lyophilized Powder Delivery Form:** Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

## **4. Storage Conditions**

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

## **5. Product Description**

This product is a recombinant Human CAMK2D full length of mature protein protein (2-499aa) expressed in E.coli. The protein is dual-tagged with 10xHis tag at the N-terminus and Myc tag at the C-terminus, which facilitates protein purification, detection and identification. CAMK2D, also known as CaMK-II delta subunit or CaM-kinase II delta chain or CaM kinase II delta subunit, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

## **6. Notes**

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.